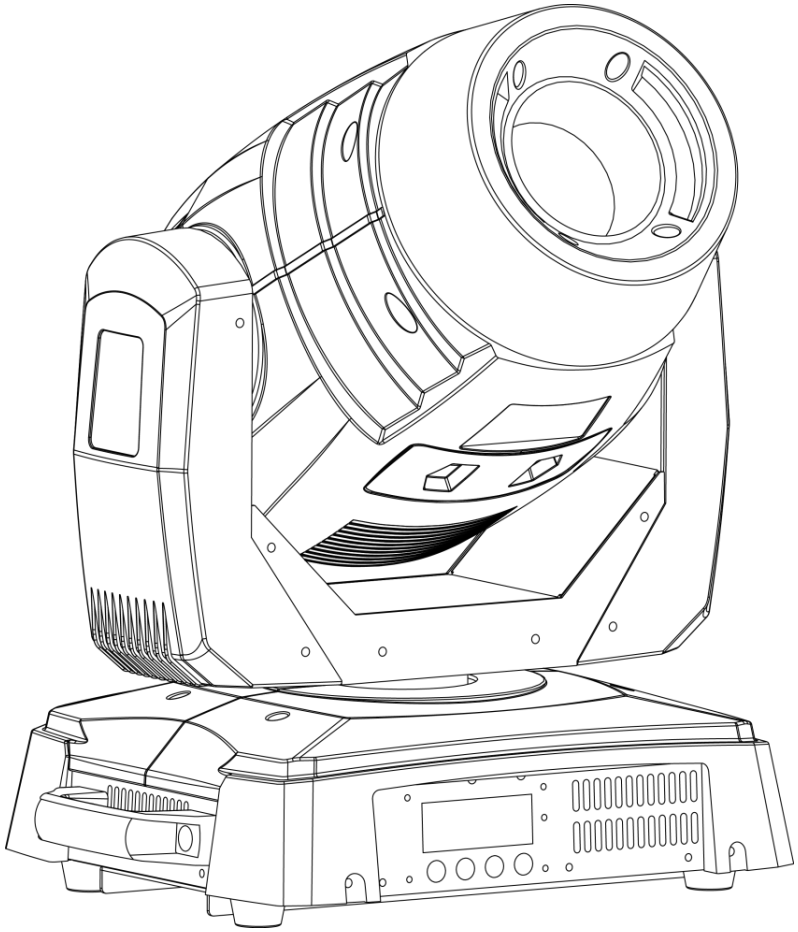
INTIMIDATOR™ SPOT LED 450

User Manual



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1. BEFORE YOU BEGIN

What Is Included

- Intimidator™ Spot LED 450
- Hanging Bracket with Mounting Hardware
- Power Cord
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not CHAUVET®. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with CHAUVET® within 7 days of delivery.

Text Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
Menu > Settings	A sequence of menu options to be followed
<ENTER>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

Symbol	Meaning
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. CHAUVET® assumes no responsibility or liability for any errors or omissions, and reserves the right to revise or recreate this manual at any time. Download the latest version from www.chauvetlighting.com.

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Product at a Glance

Use on Dimmer	X	Auto Programs	P
Outdoor Use	X	Auto-ranging Power Supply	P
Sound-Active	P	Replaceable Fuse	P
DMX	P	User-Serviceable	X
Master/Slave	P	Duty Cycle	X

Safety Notes

These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.

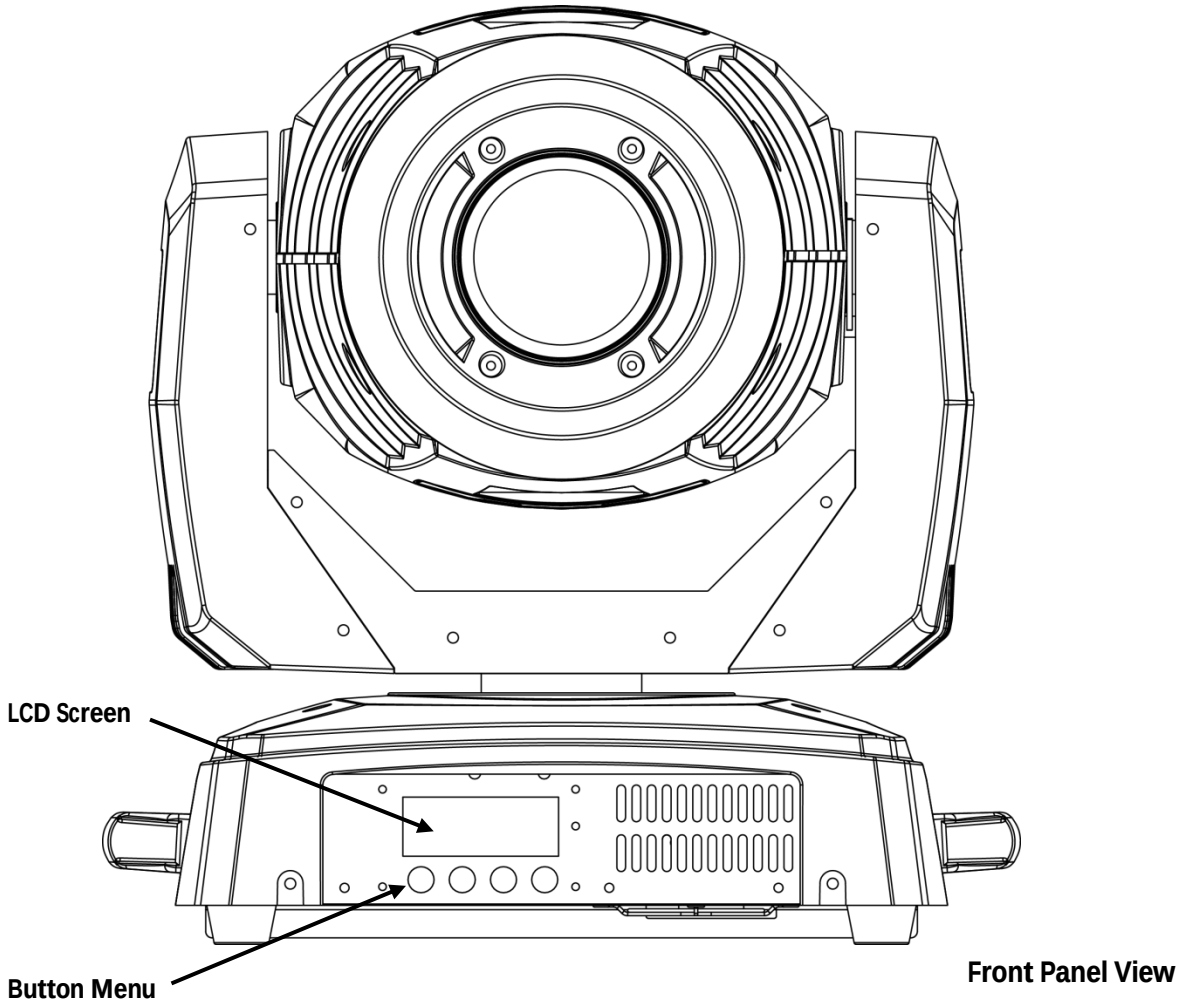
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.

- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or back panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket or the handles.
- The maximum ambient temperature (Ta) is 104° F (40° C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.

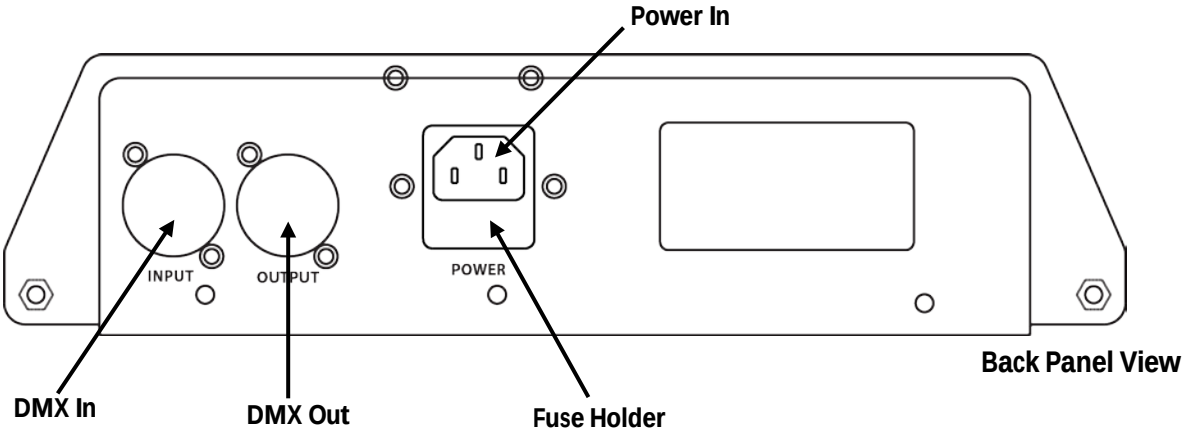
- Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

2. INTRODUCTION

Overview

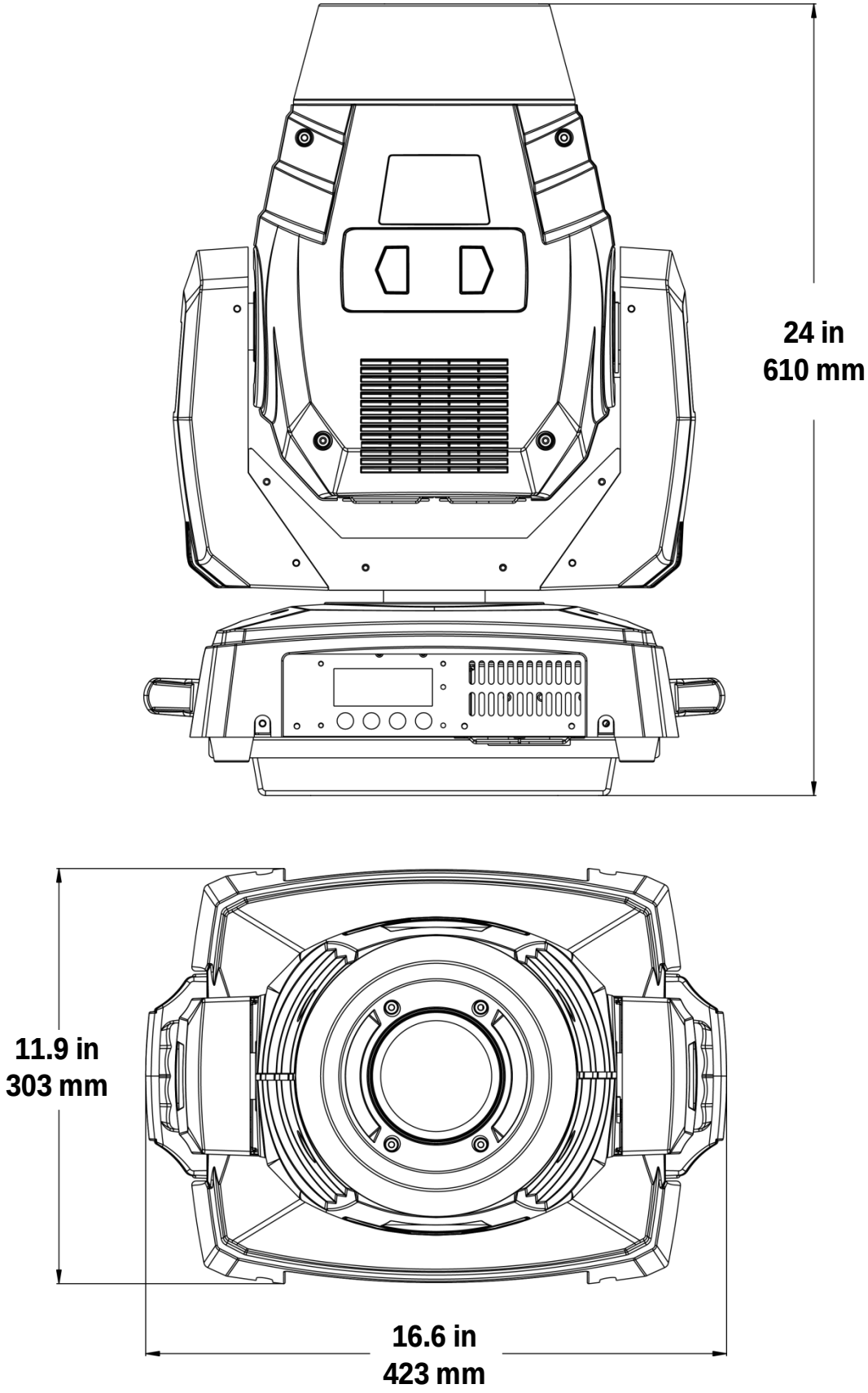


Front Panel View



Back Panel View

Dimensions



3. SETUP

AC Power

The Intimidator™ Spot LED 450 has an auto-ranging power supply and it can work with an input voltage range of 100~240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

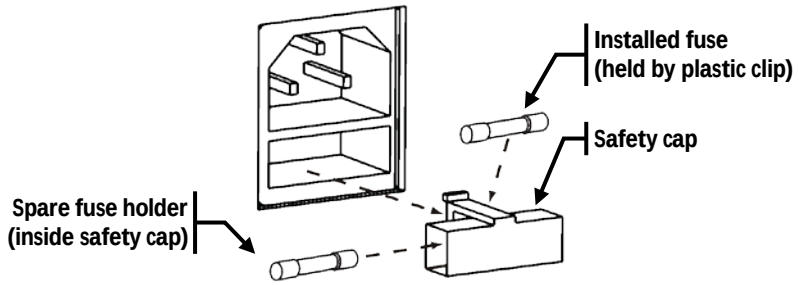
Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.

Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0–100% switch.

Fuse Replacement

Disconnect the product from power before replacing the fuse.

1. Disconnect the product from power.
2. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
3. Pry the fuse holder out of the housing.
4. Remove the blown fuse from the holder.
5. Replace with a fuse of the exact same type and rating.
6. Insert the fuse holder back in place and reconnect power.



A spare fuse is not included; however, the safety cap has room for a spare.

Always replace a blown fuse with another of the same type and rating.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

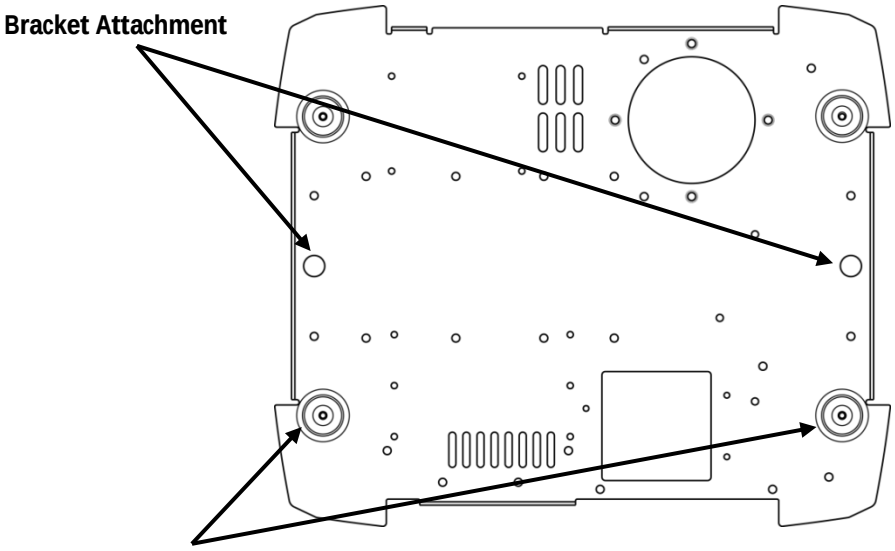
Orientation

The Intimidator™ Spot LED 450 may be mounted in any position; however, make sure adequate ventilation is provided around the product.

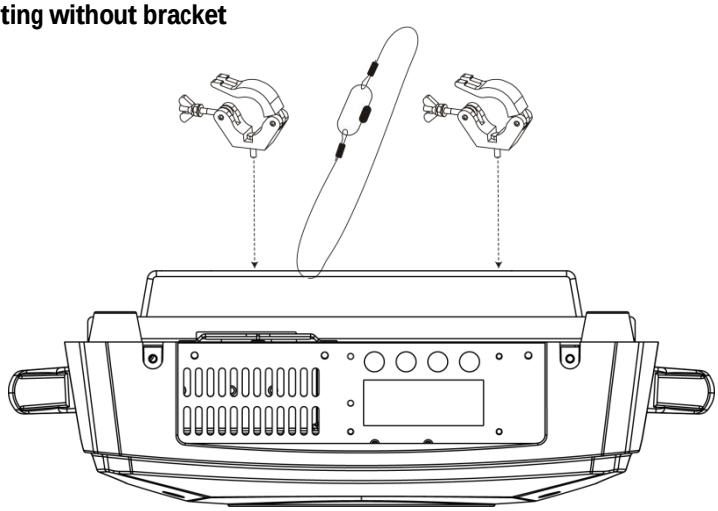
Rigging

- Before deciding on a location, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the Technical Specifications).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, you should use a mounting clamp of appropriate weight capacity.
- The rubber feet also serve as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram



Bottom Panel View



Side View w/bracket attached

4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display.

Button	Function
<MENU>	Selects an operation mode or backs out of the current menu option
<UP>	Scrolls up the list of options or selects a higher value
<DOWN>	Scrolls down the list of options or selects a lower value
<ENTER>	Activates a menu option or a selected value

Menu Map

Main Level	Programming Level	Description
DMX Address	**001–512**	Sets the DMX starting address
Run	**Slave**	Slave operating mode
	Fast	Automatic mode, fast program
	Slow	Automatic mode, slow program
	Sound	Sound-Active mode
Pan	**Normal**	Normal pan operation
	Reverse	Reverse pan operation
Tilt	**Normal**	Normal tilt operation
	Reverse	Reverse tilt operation
Display	**Bright**	Display backlight remains on
	30Close	Display backlight turns off after 30 seconds of control panel inactivity
Pan Angle	**540**	Pan angle range 540°
	360	Pan angle range 360°
	180	Pan angle range 180°
Tilt Angle	**270**	Tilt angle range 270°
	180	Tilt angle range 180°
	90	Tilt angle range 90°
Channel	**ADVANCED**	14-channel mode
	Basic	8-channel mode
Temp. Disp	**T1__, T2__, T3__**	Displays LED temperature
ResetSystem	**No**	Does not reset fixture
	Ok	Resets fixture
Load Set	**No**	Does not load factory defaults
	Ok	Loads factory defaults

Configuration (DMX)

Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.
3. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The Intimidator™ Spot LED 450 uses up to 14 DMX channels in its ADVANCED personality, which defines the highest configurable address to **499**.

If unfamiliar with DMX, download the DMX Primer from www.chauvetlighting.com.

To select the starting address, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. If it is not already selected, use **<UP>** or **<DOWN>** to select **DMX Address**.
3. Press **<ENTER>** and **001**–**512** shows on the display.
4. Use **<UP>** or **<DOWN>** to select the starting address.
5. Press **<ENTER>**.

DMX Personalities

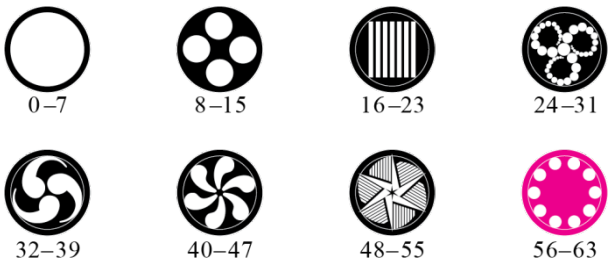
The Intimidator™ Spot LED 450 has two DMX personalities. One is a basic 8-channel personality and the other is a more advanced 14-channel personality.

To select either the basic or advanced personality, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Channel**.
3. Press **<ENTER>** and **ADVANCED** or **Basic** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **ADVANCED** for the 14-channel mode or **Basic** for the 8-channel mode.
5. Press **<ENTER>**.

DMX Channel Modes, Assignments, and Values

Advanced Mode

Channel	Function	Value	Setting
1	**Pan**	000 ó 255	0–540°
2	**Fine Pan**	000 ó 255	Fine control of panning
3	**Tilt**	000 ó 255	0–270°
4	**Fine Tilt**	000 ó 255	Fine control of tilting
5	**Speed**	000 ó 255	Pan/Tilt speed (fast to slow)
6	**Color Wheel**	000 ó 007	White
		008 ó 015	Blue
		016 ó 023	Yellow
		024 ó 031	Pink
		032 ó 039	Green
		040 ó 047	Red
		048 ó 055	Light Blue
		056 ó 063	Orange Red
		064 ó 066	White
		067 ó 078	From White to Blue
		079 ó 092	From Blue to Yellow
		093 ó 107	From Yellow to Pink
		108 ó 120	From Pink to Green
		121 ó 136	From Green to Red
		137 ó 152	From Red to Light Blue
		153 ó 170	From Light Blue to Orange Red
		171 ó 212	Rainbow effect with increasing speed
		213 ó 255	Reverse rainbow effect with increasing speed
7	**Gobo Wheel**		
		064 ó 071	Gobo 7 shake with increasing speed
		072 ó 079	Gobo 6 shake with increasing speed
		080 ó 087	Gobo 5 shake with increasing speed
		088 ó 095	Gobo 4 shake with increasing speed
		096 ó 103	Gobo 3 shake with increasing speed
		104 ó 111	Gobo 2 shake with increasing speed
		112 ó 119	Gobo 1 shake with increasing speed
		120 ó 127	Open
		128 ó 191	Rainbow effect with increasing speed
		192 ó 255	Reverse rainbow effect with increasing speed
8	**Gobo Rotation**	000 ó 063	Indexing
		064 ó 147	Rotation with increasing speed
		148 ó 231	Reverse rotation with increasing speed
		232 ó 255	Boomerang with increasing speed
9	**Prism**	000 ó 007	Open
		008 ó 012	Prism on
		013 ó 130	Prism rotation with increasing speed
		131 ó 247	Reverse prism rotation with increasing speed
		248 ó 255	Static prism effect
10	**Focus**	000 ó 255	Motorized focus, zoom out to zoom in
11	**Dimmer**	000 ó 255	0–100%

DMX Channel Modes, Assignments, and Values (cont.)

Advanced Mode (cont.)

Channel	Function	Value	Setting
12	Shutter	000 ó 003	Closed
		004 ó 007	Open
		008 ó 076	Strobe effect with increasing speed
		077 ó 145	Pulse strobe
		146 ó 215	Random shutter
		216 ó 255	Open
13	Control Functions	000 ó 007	No function
		008 ó 015	Blackout while pan/tilt moving
		016 ó 023	Blackout while moving color wheel
		024 ó 031	Blackout while moving gobo wheel
		032 ó 039	Disable blackout while pan/tilt/moving color wheel
		040 ó 047	Disable blackout while pan/tilt/moving gobo wheel
		048 ó 055	Disable blackout while moving all options
		056 ó 095	No function
		096 ó 103	Reset pan
		104 ó 111	Reset tilt
		112 ó 119	Reset color wheel
		120 ó 127	Reset gobo wheel
		128 ó 135	Reset gobo rotation
		136 ó 143	Reset prism
		144 ó 151	Reset focus
		152 ó 159	Rest all channels
		160 ó 255	No function
14	Movement Macros	000 ó 007	No function
		008 ó 023	Automatic movement 1
		024 ó 039	Automatic movement 2
		040 ó 055	Automatic movement 3
		056 ó 071	Automatic movement 4
		072 ó 087	Automatic movement 5
		088 ó 103	Automatic movement 6
		104 ó 119	Automatic movement 7
		120 ó 135	Automatic movement 8
		136 ó 151	Sound-active movement 1
		152 ó 167	Sound-active movement 2
		168 ó 183	Sound-active movement 3
		184 ó 199	Sound-active movement 4
		200 ó 215	Sound-active movement 5
		216 ó 231	Sound-active movement 6
		232 ó 247	Sound-active movement 7
		248 ó 255	Sound-active movement 8

DMX Channel Modes, Assignments, and Values (cont.)

Basic Mode

Channel	Function	Value	Setting
1	**Pan**	000 ó 255	0–540°
2	**Tilt**	000 ó 255	0–270°
3	**Color Wheel**	000 ó 007	White
		008 ó 015	Blue
		016 ó 023	Yellow
		024 ó 031	Pink
		032 ó 039	Green
		040 ó 047	Red
		048 ó 055	Light Blue
		056 ó 063	Orange Red
		064 ó 066	White
		067 ó 078	From White to Blue
		079 ó 092	From Blue to Yellow
		093 ó 107	From Yellow to Pink
		108 ó 120	From Pink to Green
		121 ó 136	From Green to Red
		137 ó 152	From Red to Light Blue
		153 ó 170	From Light Blue to Orange Red
		171 ó 212	Rainbow effect with increasing speed
		213 ó 255	Reverse rainbow effect with increasing speed
4	**Gobo Wheel**	0–7	8–15 16–23 24–31
		32–39	40–47 48–55 56–63
		064 ó 071	Gobo 7 shake with increasing speed
		072 ó 079	Gobo 6 shake with increasing speed
		080 ó 087	Gobo 5 shake with increasing speed
		088 ó 095	Gobo 4 shake with increasing speed
		096 ó 103	Gobo 3 shake with increasing speed
		104 ó 111	Gobo 2 shake with increasing speed
		112 ó 119	Gobo 1 shake with increasing speed
		120 ó 127	Open
		128 ó 191	Rainbow effect with increasing speed
		192 ó 255	Reverse rainbow effect with increasing speed
5	**Gobo Rotation**	000 ó 063	Indexing
		064 ó 147	Rotation with increasing speed
		148 ó 231	Reverse rotation with increasing speed
		232 ó 255	Boomerang with increasing speed
6	**Prism**	000 ó 007	Open
		008 ó 012	Prism on
		013 ó 130	Prism rotation with increasing speed
		131 ó 247	Reverse prism rotation with increasing speed
		248 ó 255	Static prism effect
7	**Focus**	000 ó 255	Motorized focus, zoom out to zoom in
8	**Shutter**	000 ó 003	Closed
		004 ó 007	Open
		008 ó 076	Strobe effect with increasing speed
		077 ó 145	Pulse strobe
		146 ó 215	Random shutter
		216 ó 255	Open

Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.

Never connect a product that is operating in any standalone mode (either Automatic or Sound-Active) to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Sound-Active Mode

To enable the Sound-Active mode, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Run**.
3. Press **<ENTER>** and **Slave**, **Fast**, **Slow** or **Sound** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **Sound**.
5. Press **<ENTER>**.

The product will only respond to low frequencies of music (bass and drums).

Automatic Modes

To enable either of the Automatic modes, follow the instructions below:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Run**.
3. Press **<ENTER>** and **Slave**, **Fast**, **Slow**, or **Sound** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **Fast** (Automatic mode, fast program) or **Slow** (Automatic mode, slow program).
5. Press **<ENTER>**.

Master/Slave Mode

The Master/Slave mode allows a single Intimidator™ Spot LED 450 unit (the “master”) to control the actions of one or more Intimidator™ Spot LED 450 units (the “slaves”) without the need of a DMX controller. The master unit will be set to operate in either Automatic or Sound-Active mode, while the slave units will be set to operate in Slave mode. Once set and connected, the slave units will operate in unison with the master unit.

Configure the units as indicated below.

Slave units:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Run**.
3. Press **<ENTER>** and **Slave**, **Fast**, **Slow**, or **Sound** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **Slave**.
5. Press **<ENTER>**.
6. Connect the DMX input of the first slave unit to the DMX output of the master unit.
7. Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
8. Finish setting and connecting all the slave units.

Master unit:

1. Set the master unit to operate in **Fast** (Automatic) mode, **Slow** (Automatic) mode, or **Sound** (Sound-Active) mode.
2. Make the master unit the first unit in the DMX daisy chain.

- **Configure all the slave units before connecting the master unit to the DMX daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master unit.**
- **Do not connect more than 31 slave units to the master unit.**

Manual Pan/Tilt Operation

To select whether you want the Intimidator™ Spot LED 450 to operate with normal panning or inverted panning, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Pan**.
3. Press **<ENTER>** and **Normal** or **Reverse** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **Normal** pan operation or **Reverse** (inverse) pan operation.
5. Press **<ENTER>**.

To select whether you want the Intimidator™ Spot LED 450 to operate with normal tilting or inverted tilting, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item
2. Use **<UP>** or **<DOWN>** to select **Tilt**.
3. Press **<ENTER>** and **Normal** or **Reverse** shows on the display.
4. Press **<UP>** or **<DOWN>** to select **Normal** tilt operation or **Reverse** (inverse) tilt operation.
5. Press **<ENTER>**.

Pan/Tilt Angle Range

You are able to select the ranges for the pan and tilt angles on the Intimidator™ Spot LED 450 to achieve the effect you like.

To select the pan angle range, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Pan Angle**.
3. Press **<ENTER>** and **540**, **360**, or **180** shows on the display.
4. Use **<UP>** or **<DOWN>** to select either **540** (540° range), **360** (360° range), or **180** (180° range).
5. Press **<ENTER>**.

To select the tilt angle range, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Tilt Angle**.
3. Press **<ENTER>** and **270**, **180**, or **90** shows on the display.
4. Use **<UP>** or **<DOWN>** to select either **270** (270° range), **180** (180° range), or **90** (90° range).
5. Press **<ENTER>**.

Display

You are able to select the length of time the display's backlight remains on.

To select the time:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Display**.
3. Press **<ENTER>** and **Bright** or **30Close** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **Bright** (the display's backlight remains on) or **30Close** (the display's backlight turns off after 30 seconds of control panel inactivity).
5. Press **<ENTER>**.

Reset Software

To reset the software on the Intimidator™ Spot LED 450, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **ResetSystem**.
3. Press **<ENTER>** and **No** or **Ok** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **No** (does not reset the software settings) or **Ok** (resets the software settings).
5. Press **<ENTER>**.

Factory Defaults

To load the factory default settings on the Intimidator™ Spot LED 450, do the following:

1. Press **<MENU>** and menu items show on the display with a blinking **<** next to the selected menu item.
2. Use **<UP>** or **<DOWN>** to select **Load Set**.
3. Press **<ENTER>** and **No** or **Ok** shows on the display.
4. Use **<UP>** or **<DOWN>** to select **No** (does not load the factory default settings) or **Ok** (loads the factory default settings).
5. Press **<ENTER>**.

Changing Gobos

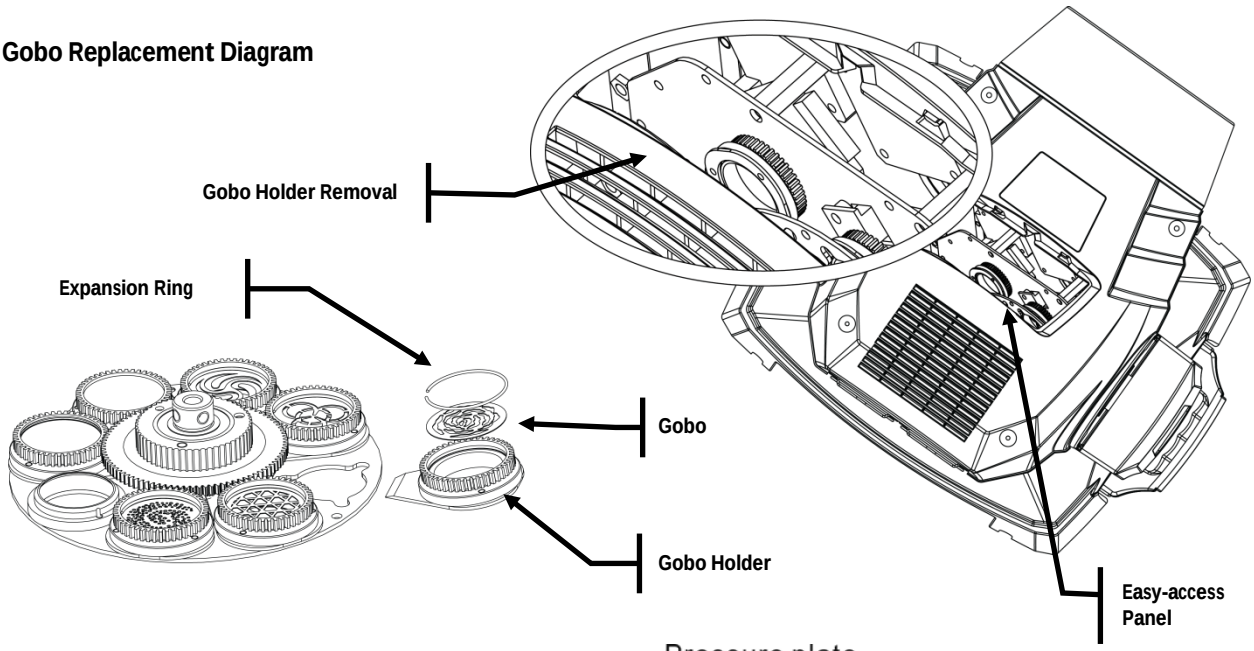
To change the gobos in the Intimidator™ Spot LED 450, **you do not need to remove the gobo wheel**. Simply:

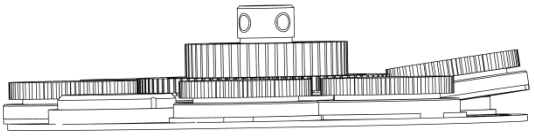
1. Turn off and disconnect fixture from power outlet.
2. Place the product on a flat, level surface with the top facing up.
3. Access the gobo plate by removing the cover on the moving head. By hand, gently pry up the right side, and then push right with the indented handles.

NOTE: If you expose the driver board, you are on the wrong side of the head. Replace the cover immediately and remove the cover on the opposite side of the moving head.

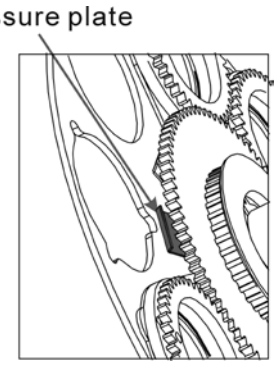
4. Rotate the gobo wheel until the gobo that needs replacing is accessible.
5. Separate the gobo holder assembly away from the gobo wheel by pushing it forward and up. Be careful not to push the gobo out of the gobo plate.
6. Extract the gobo holder by pulling it outward (straight up).
7. On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo plate.
8. Insert a new gobo and hold it in place with the expansion ring.
9. To re-insert the new gobo, slide the tip of the gobo holder under the pressure plate near the center of the gobo wheel.
10. Push the gobo holder assembly inwards. DO NOT force the gobo holder into the gobo wheel slot. Slightly move the holder from side-to-side if needed to get it to seat properly. If correctly installed, the bottom of the holder will be flush with the gobo wheel.
11. Push cover back into position.

Gobo Replacement Diagram





Gobo Wheel Detail Views



5. TECHNICAL INFORMATION

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and mechanical wear. To maintain optimum performance and minimize wear, clean the product at least twice a month. However, usage and environmental conditions contribute to increased cleaning frequency.

To clean the product, follow the instructions below:

- Unplug the product from power.
- Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
- Clean all external optics and glass/transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Softly wipe any dirt or grime to the outside edges of the external optics or glass/transparent surfaces.
- Gently polish the external optics and glass/transparent surfaces until they are free of haze and lint.

Always dry the glass/transparent surfaces carefully after cleaning them.

Do not spin the cooling fans using compressed air because you could damage them.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight

Length	Width	Height	Weight
16.6 in (423 mm)	11.9 in (303 mm)	24 in (610 mm)	43.6 lbs (19.8 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100~240 V, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	400 W	395 W
Operating current	3.3 A	1.7 A
Fuse	F 7 A, 250 V	F 7 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	IEC	IEC
Power output connector	Edison	IEC
Power Cord plug	Edison (U.S.)	Local plug

Light Source

Type	Power	Lifespan
LED	60 W	50,000 hours

Color	Quantity	Current
White	3	16 A

Photo Optic

Parameter		
Illuminance @ 2 m	23,680 lx	
Beam angle	19°	
Strobe rate	0–20 Hz	
Pan and Tilt	540°	270°
Pan/Tilt ranges	540°, 360°, 180° Pan	270°, 180°, 90° Tilt
Gobo size	26.75 mm outside 23 mm image 3 mm maximum thickness	

Thermal

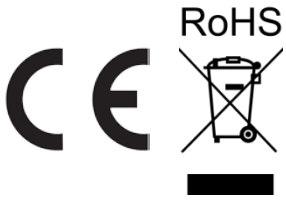
Maximum External Temp.	Cooling System
104° F (40° C)	Fan cooled

DMX

I/O Connectors	Connector Type	Channel Range
3-pin XLR	Sockets	8, 14

Ordering

Product Name	Item Code	UPC Number
Intimidator™ Spot LED 450	08010611	781462209599



To return a product or request support:

- In the U.S., contact CHAUVET® World Headquarters (see below).
- In the UK or Ireland, contact CHAUVET® Europe Ltd. (see below).
- In any other country, DO NOT contact CHAUVET®. Contact your distributor. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, or Ireland.

If you live outside the U.S., United Kingdom, or Ireland, contact your distributor of record and follow their instructions on how to return CHAUVET® products to them. Visit our website for contact details.

Returns

Call the corresponding CHAUVET® Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Clearly label the package with the RMA number. CHAUVET® will refuse any product returned without an RMA number.

Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.

CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

Contact Us

World Headquarters
CHAUVET®
General Information
Address: 5200 NW 108th Avenue, Sunrise, FL 33351
Voice: (954) 577-4455
Fax: (954) 929-5560
Toll free: (800) 762-1084

Technical Support
Voice: (954) 577-4455 (Press **4**)
Fax: (954) 756-8015
Email: tech@chauvetlighting.com

World Wide Web
www.chauvetlighting.com

United Kingdom & Ireland
CHAUVET® Europe Ltd.
General Information
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Voice: +44 (0)1773 511115
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Technical Support
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www.chauvetlighting.co.uk